

(19) **Japanese Patent Office**(11) **JP 01279943 A**(45) **19891110**(21) Application number: **63129954**(51) Int Cl.: **C08L02500, C08F28700, C08F29704**(22) Date of filing: **19880527**(30) Priority: **JP 62311530 19871209**(54) **STYRENE RESIN COMPOSITION**(72) Inventor(s): **TSUBOKURA YUTAKA
TERADA EIICHI**(73) Assignee(s): **IDEMITSU PETROCHEM CO LTD**(57) **PURPOSE:** To obtain a styrene resin composition improved in gloss and impact resistance by copolymerizing a styrene with a specified wholly blocked styrene/ butadiene block copolymer.

CONSTITUTION: 92-60wt.% styrene component comprising styrene and, optionally, at most 50wt.% monomer copolymerizable therewith is prepolymerized with 8-40wt.% wholly blocked styrene/butadiene block copolymer of a content of repeating styrene units of 10-50wt.%, an MW of 80,000-300,000 and a weight-average MW of the blocked PS of 15,000-150,000 at 70-150°C in the presence of an MW modifier and, optionally, a polymerization catalyst. The product of prepolymerization is then suspension-polymerized in the presence of a suspending agent, and the obtained product is dried and pelletized to obtain the title composition of a rubber particle diameter of 0.1-1.8µm and an MW of the matrix of 100,000-300,000.

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